

KOREAN PATENT ABSTRACTS

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(71) Applicant : **LG ELECTRONICS INC.**

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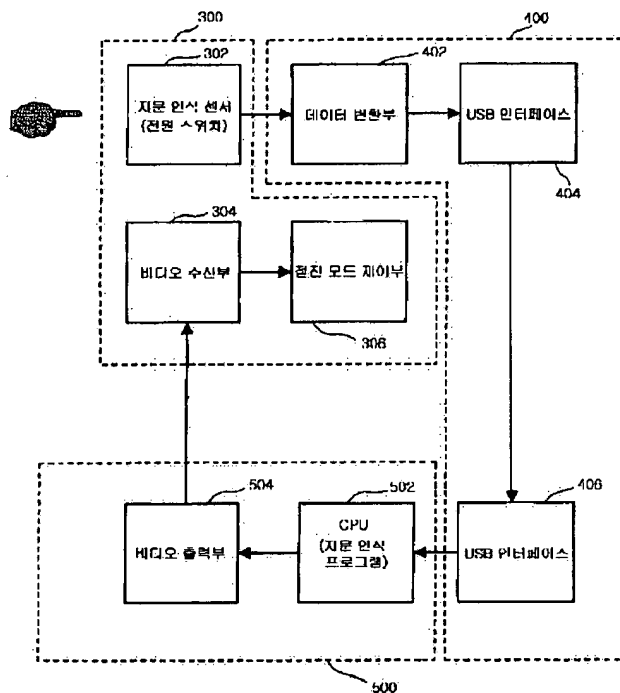
(51) Int. Cl **G06K 9/00**

(54) DEVICE FOR CONTROLLING POWER OF MONITOR

(57) Abstract :

PURPOSE: A device for controlling the power of a monitor is provided to lower a cost and to minimize the power consumption by reducing the devices for the user certification within the monitor.

CONSTITUTION: A fingerprint sensor(302) as a power switch is installed to the monitor(300) and reads the fingerprint inputted by a user to turn on/off the power. The read data is inputted to a data converter(402) of an USB (Universal Serial Bus) interface(400). The data converter provides the data to a CPU(502) of a computer through an USB interface(404) of the monitor and an USB interface (406) of the computer after extracting a characteristic data from the read data. The USB interface supplies the driving power to the fingerprint sensor and the data converter. The CPU compares the characteristic data provided by the monitor with the characteristic data of a previously registered fingerprint. If the characteristic data are matched with each other, the CPU turns on the power of the monitor by providing the H/V(Horizontal/Vertical) synchronous signal to the monitor.



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TITLE: Device for controlling power of
monitor

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PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

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BASIC-ABSTRACT:

NOVELTY - A device for controlling the power of a monitor is provided to lower a cost and to minimize the power consumption by reducing the devices for the user certification within the monitor.

DETAILED DESCRIPTION - A fingerprint sensor(302) as a power switch is installed to the monitor(300) and reads the fingerprint inputted by a user to turn on/off the power. The read data is inputted to a data converter(402) of an

USB(Universal Serial Bus) interface(400). The data converter provides the data to a CPU(502) of a computer through an USB interface(404) of the monitor and an USB interface(406) of the computer after extracting a characteristic data from the read data. The USB interface supplies the driving power to the fingerprint sensor and the data converter. The CPU compares the characteristic data provided by the monitor with the characteristic data of a previously registered fingerprint. If the characteristic data are matched with each other, the CPU turns on the power of the monitor by providing the H/V(Horizontal/Vertical) synchronous signal to the monitor.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: DEVICE CONTROL POWER MONITOR

DERWENT-CLASS: T04

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